- satellite and (antenna near (sub-beam\$2 or subbeam\$2 or (sub near beam\$2))) and @ad<19990714 2 2 2 2 63 63 44 78
 - williams.in. and zaghloul.in. and killic.in.
- zaghloul.in.
- satellite and antenna and (sub-beam\$2 or subbeam\$2 or (sub near beam\$2)) and @ad<19990714
 - satellite and antenna and (sub-beam\$2 or subbeam\$2 or (sub adj beam\$2)) and @ad<19990714
- antenna and (sub-beam\$2 or subbeam\$2 or (sub adj beam\$2)) and @ad<19990714
- 8 and (spot-beam or (spot adj beam))
- antenna and (beam near former) and @ad<19990714 267
- 10 and (spot-beam or (spot adj beam))
- "4087822" | "4381509" | "4408205" | "4799065" | "4845507" | "4965587" | "4965588" | "5003315" | "5115248" | "5289193" | "5329248"
 - '5495258").PN.
- 455/12.1.ccls. and antenna and (beam near former) and @ad<19990714
- 370/316-326.ccls. and antenna and (beam near former) and @ad<19990714
- 342/352-368.ccls. and antenna and (beam near former) and @ad<19990714
 - 343/824.ccls. and antenna and (beam near former) and @ad<19990714
 - 343/853.ccls. and antenna and (beam near former) and @ad<19990714
- 244/158.ccls. and antenna and (beam near former) and @ad<19990714

 - 244/158.ccls. and antenna and @ad<19990714
 - 244/158.ccls. and @ad<19990714
- 244/158R.ccls. and @ad<19990714
- 244/158R.ccls. and antenna and (beam near former) and @ad<19990714
- 342/352-368.ccls. and satellite and antenna and beam\$2 and (phased near array)
 - 455/12.1.ccls. and satellite and antenna and beam\$2 and (phased near array)
- 455/427-430.ccls. and satellite and antenna and beam\$2 and (phased near array)
 - 70 and (peak near gain)
- 455/427-430.ccls. and antenna and (beam near former) and @ad<19990714
- 342/352-368.ccls. and satellite and antenna and beam\$2 and (phased near array)
 - 343/853.ccls. and satellite and antenna and beam\$2 and (phased near array)
- 455/12.1.ccls. and satellite and antenna and beam\$2 and (phased near array)

455/427-430.ccls. and satellite and antenna and beam\$2 and (phased near array)

- t55/12.1.ccls. and satellite and antenna and beam\$2 and (phased near array) and (3 near db)
- 155/427-430.ccls. and satellite and antenna and beam\$2 and (phased near array) and (3db or (3 near db))
 - 455/12.1.ccls. and satellite and antenna and beam\$2 and (phased near array) and (peak near gain) 343/824.ccls. and satellite and antenna and beam\$2 and (phased near array)
 - 370/316-326.ccls. and antenna\$2 and beam\$2 and (peak near gain) and @ad<19990714
 - 370/316-326.ccls. and (gain near drop) and @ad<19990714
 - 370/\$.ccls. and (gain near drop) and @ad<19990714
 - 342/\$.ccls. and (gain near drop) and @ad<19990714
- 244/\$.ccls. and (gain near drop) and @ad<19990714

- 342/\$.ccls. and (gain near drop) and @ad<19990714
- phase\$2 near array\$2) and (beam near former\$2) and @ad<19990714 8 38
 - 13 and antenna\$2 and satellite\$2
- 14 and (spot-beam or (spot adj beam)) 4 -
- 14 and (sub-beam\$2 or subbeam\$2 or (sub adj beam\$2)) and @ad<19990714
- '5303286" | "5339330" | "5410728" | "5415368" | "5422647" | "5433726" | "5439190" | "5446756" | "5448623" | "5551624" | "5552798" | "5758260" "Re32905" | "4901307" | "5010317" | "5073900" | "5081703" | "5109390" | "5119225" | "5216427" | "5233626" | "5239671" | "5265119" "5765098" | "5867109" | "5905943" | "5907541" | "6014372").PN. 28
 - 5303286" | "5339330" | "5410728" | "5415368" | "5422647" | "5433726" | "5439190" | "5446756" | "5448623" | "5551624" | "5552798" | "5758260 "Re32905" | "4901307" | "5010317" | "5073900" | "5081703" | "5109390" | "5119225" | "5216427" | "5233626" | "5239671" | "5265119"
 - "5765098" | "5867109" | "5905943" | "5907541" | "6014372").PN.
- (spot near beam) and (sub-beam\$2 or subbeam\$2 or (sub adj beam\$2)) and (peak near gain) and @ad<19990714 (sub-beam\$2 or subbeam\$2 or (sub adj beam\$2)) and (peak near gain) and @ad<19990714
- antenna\$2 and beam\$2 and (peak near gain) and @ad<19990714
 - 121 and (less near peak near gain) and @ad<19990714
- antenna\$2 and (sub near beam\$2) and spot and (peak near gain) and @ad<19990714
 - antenna\$2 and (sub near beam\$2) and spot and gain and @ad<19990714
 - 6101385.pn.
- antenna\$2 and (spot near beam\$2) and (sub near beam\$2) and (gain near drop) and @ad<19990714
 - antenna\$2 and (sub near beam\$2) and (gain near drop) and @ad<19990714
 - antenna\$2 and (spot near beam\$2) (gain near drop) and @ad<19990714
- antenna\$2 and (spot near beam\$2) and (gain near drop) and @ad<19990714
- antenna\$2 and (gain near drop) and @ad<19990714
 - l28 and (beam near (gain near drop))
- 28 and (antenna\$2 near (gain near drop))
- (antenna\$2 near beam\$2) and (gain adj drop)
 - antenna\$2 and beam\$2 and (gain adj drop)
 - 370/\$.ccls. and (gain adj drop)
 - 455/\$.ccls. and (gain adj drop)
- 343/\$.ccls. and (gain adj drop)
- 455/\$.ccls. and (edge adj gain)

342/\$.ccls. and (gain adj drop)

- phased near array) and antenna and (power near control) and @ad<20000714
- (qain or (peak adj gain))
- 40 and (peak adj gain)
- 40 and (subbeam\$2 or sub-beam\$2 or (sub near beam\$2)) and (peak adj gain)
 - 40 and (subbeam\$2 or sub-beam\$2 or (sub near beam\$2)
- (subbeam\$2 or sub-beam\$2 or (sub near beam\$2)) near (peak adj gain)
 - subbeam\$2 or sub-beam\$2 or (sub near beam\$2)) near (gain)
- phased near array) and antenna and (power near control) and (peak near gain) and @ad<20000714
- 343/\$.ccls. and (phased near array) and antenna and (power near control) and (peak near gain) and @ad<20000714
- 342/\$.ccls. and (phased near array) and antenna and (power near control) and (peak near gain) and @ad<20000714 multibeam or (multi near beam)) and antenna and (power near control) and (peak near gain) and @ad<20000714

- antenna and (power near control) and (peak near gain) and @ad<20000714 244/\$.ccls. and satellite l52 and (beam near antenna) 6434384.pn. 342/\$.ccls. and satellite and antenna and beam\$2 and (phased near array) 343/\$.ccls. and satellite and antenna and beam\$2 and (phased near array)
- 19 2023 48 2 419 293